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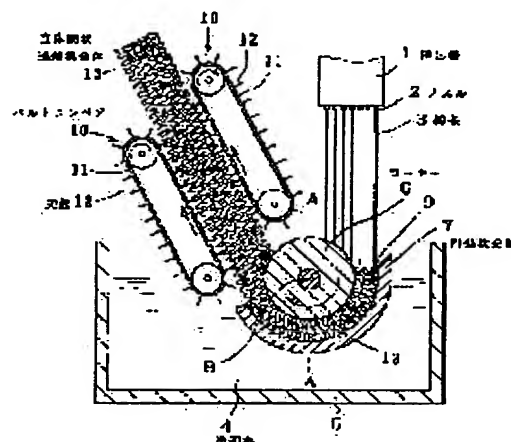
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(54) PRODUCTION OF SPHERICAL THREE-DIMENSIONAL RETICULATED AGGREGATE

(57)Abstract:

PURPOSE: To easily produce a spherical three-dimensional reticulated aggregate.

CONSTITUTION: A circular arc-shaped mold 7 having a recessed part 9 curved in a circular arc shape and having an almost semicircular cross section is arranged to the outer peripheral position of a rotor 6 and the strings 3 suspended from nozzles 2 are received on the outer surface of a rotating rotor 6 at a speed slower than the falling speed thereof and meandered to be mutually bonded in a not yet solidified melting and self-adhesive state to be gathered into a three-dimensional reticulated state. The three-dimensional reticulated continuous aggregate 13 is passed through the gap between the rotor 6 and the circular arc-shaped mold 7 to be curved into a circular arc shape so as to follow the shapes of the rotor 6 and the mold 7 and cooled and solidified so that the cross section thereof becomes an almost hollow semicircular shape. Thereafter, the three-dimensional reticulated continuous aggregate 13 is taken up by a belt conveyor 10 wherein projections 12 are formed on a belt 11 to be cut into a required length and both end cut surfaces of the cut one are mutually fitted to be integrally bonded.



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(54) 【発明の名称】 球状の立体網状集合体の製造方法

(57) 【要約】 (修正有)

【目的】 球状の立体網状集合体を容易に製造できる方法を提供する。

【構成】 ローター6の外周位置に円弧状に曲がり且つ内面に断面略半円径の凹部9を有する円弧状金型7を配して、上記のノズル2から垂下した線条3を回転するローター6の外周でその下降速度より遅く受け取ることで、より曲がりくねらせて未だ固化しない溶融状態の粘着性を利用して互にくっつけてながら立体網状に集合せしめると共に、その立体網状連続集合体13をローター6と円弧状金型7の間を通過させることによりそれらの形に倣って円弧状に曲げ且つその断面を中空の略半円形となして冷却固化し、しかる後に、その立体網状連続集合体13をベルト11に突起12を設けたベルトコンベア10で引き取ってから、その立体網状連続集合体13を所要長さに切断してその両端切断面を互いに合せて一体的に接合することを特徴とする。

